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claims of 1 Oct. 2007*

*AC 10/9/07*

**AMENDMENTS TO THE CLAIMS**

**This listing of claims will replace all prior versions and listings of claims in the application:**

**LISTING OF CLAIMS:**

1. (Previously Presented) A receiver for receiving optically transmitted signals, the receiver comprising an optical/electrical converter, an electronic feedback filter and at least one eye monitor for determining a quality of a transmission link, an output of the at least one eye monitor being connected to an input of the electronic feedback filter, wherein the eye monitor comprises:

first and second threshold-value decision elements for deciding a level of a data signal based on first and second threshold values which are set close to vertices of an eye opening of an eye diagram;

first and second signal comparators for determining pseudo-errors by comparing decided signals output by the threshold-value decision elements with a correct signal;

first and second integrators for integrating the pseudo-errors output by the first and second signal comparators to generate first and second internal control variables; and

first and second regulators which correct the first and second threshold values based on comparisons between the first and second internal control variables and first and second setpoint values, respectively.

2. (Previously Presented) The receiver according to Claim 1, wherein the receiver comprises two eye monitors, outputs of which are connected to the inputs of the electronic